



Docket No: 696-254 A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT OPERATIONS

In re Application of:)	
)	
Letzsch, Warren S.)	Group Art Unit: Not yet known
)	
Serial No.: 10/674,865)	
)	Examiner: Not yet known
Filed: September 30, 2003)	
)	
)	

For: **IMPROVED DEEP CATALYTIC CRACKING PROCESS**

New York, N.Y. 10036
January 7, 2004

Mail Stop DD
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

SIR/MADAM:

Request is hereby made for consideration of this information disclosure statement.
The following references are being cited under 37 C.F.R. § 1.97.

I hereby certify that this correspondence is being deposited with
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On January 7, 2004

Alan B. Clement, Reg. No. 34,563

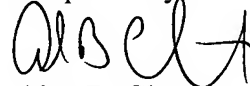
<u>Document Designation</u>	<u>Relevance</u>
AA (U.S. 4,980,053)	Relates to production of gaseous olefins by catalytic conversion of hydrocarbons.
AB (U.S. 5,009,769)	Relates to process for catalytic cracking of hydrocarbons.
AC (U.S. 5,043,058)	Relates to quenching downstream of an external vapor catalyst separator.
AD (U.S. 5,232,675)	Relates to rare earth-containing high-silica zeolite having penta-sil structure and process for the same.
AE (U.S. 5,326,465)	Relates to process for the production of LPG rich in olefins and high quality gasoline.
AF (U.S. 5,380,690)	Relates to cracking catalyst for the production of light olefins.
AG (U.S. 5,565,176)	Relates to catalytically cracking paraffin rich feedstocks comprising high and low concarbon components.
AH (U.S. 5,670,037)	Relates to process for producing light olefins by catalytic conversion of hydrocarbons.
AI (U.S. 5,766,558)	Relates to fluid catalytic cracking process and apparatus.
AJ (U.S. 5,981,818)	Relates to integrated cracking and olefins derivative process utilizing dilute olefins.
AK (U.S. 6,010,618)	Relates to FCC process with two zone short contact time reaction conduit.
AL (U.S. 4,892,643)	Relates to upgrading naptha in a single riser fluidized catalytic cracking operation employing a catalyst mixture.
AM (U.S. 5,087,349)	Relates to process for selectively maximizing product production in fluidized catalytic cracking of hydrocarbons.

AN (U.S. 5,196,172)	Relates to apparatus for the fluid catalytic cracking of hydrocarbon feed employing a separable mixture of catalyst and sorbent particles.
AO (U.S. 5,314,610)	Relates to staged catalytic cracking process.
BA (EP 1046 696 A2)	Relates to a catalytic conversion process for producing isobutene and isopuraffine - enriched gasoline.

Full text copies for the prior art are enclosed herewith. It is respectfully requested that this art be considered by the Examiner in the above-identified application and made of record therein.

It is believed that no fee is required for the submission of this Information Disclosure Statement under 37 C.F.R. § 1.97 (b). However, if a fee is due, the Commissioner is hereby authorized to charge it to deposit account 08-1540.

Respectfully submitted,



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Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**